

REMARKS

Claims 1, 6, 8-11 and 17 remain pending in the application.

Claims 1, 6, 8-11 and 17 are rejected under 35 U.S.C. §102(e) based on Chin U.S. 5,980,503 (Chin '503). Applicant respectfully traverses this rejection. Chin '503 discloses an infusion cannula 10 in which an inner cannula (cannula body 11) includes a pair of inflation lumens 18 and 20 defining first and second flow paths. An outer cannula (cannula sheath 30) is dimensioned for axial movement over cannula body 11. Chin '503 does not teach or disclose inner and outer cannulas defining between them a second interior flow path to circulate blood. Chin '503 discloses positioning the inner cannula within a vessel (e.g., the aorta). The outer cannula is then advanced distally over the inner cannula until flange 33 of outer cannula contacts the outer surface of the vessel (see Figs. 4, 4A and 5 and col. 6, lines 45-59). Chin '503 discloses that the outer cannula slides over the inner cannula, but it is not a loose fit (see col. 5, line 60-63) and therefore would not define a flow path. In the device of Chin '503, a flow path between the inner and outer cannulas to circulate blood would result in delivery of blood or fluid to the exterior of the vessel and not within the vessel. Therefore, Chin '503 teaches away from a device having a flow path between the inner and outer cannulas. Furthermore, the outer cannula of the Chin '503 device does not direct passage of the inner cannula through and beyond the outer cannula. Instead, the inner cannula includes a curved portion 15 that directs passage of the outer cannula over the inner cannula. Pleats 34 in outer cannula provide flexibility in the outer cannula to slide the outer cannula over the curved portion of the inner cannula.

Reconsideration in view of the foregoing remarks and allowance of claims 1, 6, 8-11 and 17 is respectfully requested.

Respectfully Submitted,

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20 May 2004
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A-Med/16586-CIP 2/040520 Amend C

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